

FORM PTO-1390 (REV 11-2000)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 3673-16
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/031,952
INTERNATIONAL APPLICATION NO. PCT/BR01/00063	INTERNATIONAL FILING DATE 24/05/2001	PRIORITY DATE CLAIMED 24/05/2000
TITLE OF INVENTION A BIOINSECTICIDE FORMULATION CONSISTING OF BACILLUS THURINGIENSIS VAR ISRAELENIS, AND ITS CONCERNING MANUFACTURE PROCEEDINGS		
APPLICANT(S) FOR DO/EO/US GOMES SANCHES, E. et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: <ol style="list-style-type: none"> <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. <input type="checkbox"/> The U.S. has been elected by the expiration of 19 months from the priority date (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). <input type="checkbox"/> has been communicated by the International Bureau. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <input type="checkbox"/> is attached hereto. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). <input type="checkbox"/> have been communicated by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <input type="checkbox"/> A English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11 To 20 below concern document(s) or information included:</p> <ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A change of power of attorney and/or address letter. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). <input type="checkbox"/> Other items or information. 		

RULE 63 (37 C.F.R. 1.63)
INVENTORS DECLARATION FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**A BIOINSECTICIDE FORMULATION CONSISTING OF BACILLUS THURINGIENSIS VAR ISRAELENIS, AND ITS CONCERNING
MANUFACTURE PROCEEDINGS**

the specification of which (check applicable box(es)):

☐ is attached hereto
☒ was filed on January 24, 2002 as U.S. Application Serial No. _____ (Atty Dkt. No. 3673-16)
☒ was filed as PCT International application No. PCT/BR01/00063 on 24/05/2001
and (if applicable to U.S. or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number	Country	Day/Month/Year Filed
PI0003314-6	Brazil	24/05/2000

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed
--------------------	-----------------------

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below:

Prior U.S./PCT Application(s):

Application Serial No.	Day/Month/Year Filed	Status: patented pending, abandoned
PCT/BR01/00063	24/05/2001	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint **NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed)**, and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besh, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Bumam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097; Gary T. Tanigawa, 43180. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1. Inventor's Signature: Elizabeth G. Sanches Date: 19 March 2002
Inventor: Elizabeth GOMES SANCHES Brazilian
(first) MI (last) (citizenship)
Residence: (city) Rio de Janeiro/RJ (state/country) Brazil
Mailing Address: Rua Alfredo Volpi 260, apto. 403 Recreio, Rio de Janeiro/RJ, Brazil
(Zip Code) 22785-090

2. Inventor's Signature: Ana Cristina Batista da Silva Date: 19 March 2002
Inventor: Ana BATISTA DA SILVA Brazilian
(first) MI (last) (citizenship)
Residence: (city) Rio de Janeiro/RJ (state/country) Brazil
Mailing Address: Rua Cristóvão Penha 45, apto. 101, Piedade, Rio de Janeiro/RJ, Brazil
(Zip Code) 20740-250

☒ See attached sheet(s) for additional inventor(s) information!!

3. Inventor's Signature: Flávia Maria Abreu Campos Date: 19 March 2002
Inventor: Flávia Maria ABREU CAMPOS
(first) (last) (citizenship)
Residence: (city) Rio de Janeiro, RJ (state/country) Brazil
Mailing Address: Rua Conde de Bonfim 838, apto. 702, Tijuca, Rio de Janeiro, RJ, Brazil
(Zip Code) 20530-002
4. Inventor's Signature: Renata Pinheiro Roberg Date: 19 March 2002
Inventor: Renata Alves PINHEIRO ROBERG
(first) (last) (citizenship)
Residence: (city) Rio de Janeiro, RJ (state/country) Brazil
Mailing Address: Rua Barão de Pirassinunga 42, casa 7/302, Tijuca, Rio de Janeiro, RJ, Brazil
(Zip Code) 20521-180
5. Inventor's Signature: Fernando Justino DE ASSUNÇÃO Date: 19 March 2002
Inventor: Fernando Justino DE ASSUNÇÃO
(first) (last) (citizenship)
Residence: (city) Rio de Janeiro, RJ (state/country) Brazil
Mailing Address: Rua Engenheiro Paula Lopes 631, Bangu, Rio de Janeiro, RJ, Brazil
(Zip Code) 21820-000
6. Inventor's Signature: _____ Date: _____
Inventor: _____
(first) (last) (citizenship)
Residence: (city) _____ (state/country) _____
Mailing Address: _____
(Zip Code) _____

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.

RECORDATION FORM COVER SHEET

PATENTS ONLY

Our Ref.: 3673-16

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Elizabeth GOMES Fernando Justino DE ASSUNCAO SANCHES Ana Cristina BATISTA DA SILVA Flávia Maria ABREU CAMPOS Renata Alves PINHEIRO ROBERG</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: March 19, 2002</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Fundação Oswaldo Cruz-FIOCRUZ Internal Address: Street Address: Avenida Brasil 4365</p> <p>City: 21045-900 Manguinhos State/Country: Rio de Janeiro, RJ Zip: Brazil</p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: March 19, 2002</p>	
<p>A. Patent Application No(s). (1) 10/031,952 (2) (3)</p>	<p>B. Patent No(s). (1) (2) (3)</p>
<p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	

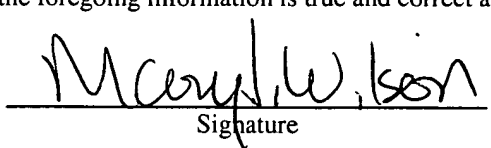
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: B. J. Sadoff</p> <p>Internal Address: _____</p> <p>Street Address: Nixon & Vanderhye P.C. 1100 North Glebe Road 8th Floor</p> <p>City: Arlington State: VA Zip: 22201</p>	<p>6. Total number of applications & patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u>, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

04/12/2002 HALI11 00000082 10031952

01 FC:501

40.00 OP

DO NOT USE THIS SPACE

<p>9. Statements and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p>		
<p>_____ Mary J. Wilson Name of Person Signing Reg. No. 32,955</p>	<p> _____ Signature</p>	<p>_____ April 9, 2002 Date</p>
<p>Total number of pages including original cover sheet, attachments, and document: [3]</p>		

BJS:eaw

ASSIGNMENT OF PATENT APPLICATION

(Inventors) Elizabeth GOMES SANCHES
Ana Cristina BATISTA DA SILVA
Flávia Maria ABREU CAMPOS
Renata Alves PINHEIRO ROBERG
Fernando Justino DE ASSUNCAO

(Assignee) In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to
(Address) Fundação Oswaldo Cruz-FIOCRUZ
(of Avenida Brasil 4365, 21045-900 Manguinhos, Rio de Janeiro, RJ Brazil
(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of
(Other Countries) (in the invention, and all application for patent and any Letters Patent which may be granted therefore, known as
(Title) A BIOINSECTICIDE FORMULATION CONSISTING OF BACILLUS THURINGIENSIS VAR ISRAELENIS, AND ITS CONCERNING MANUFACTURE PROCEEDINGS
(Case No. 3673-16)
for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on or has already filed in
(U.S. appln. Serial No. , filed on January 24, 2002).
The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that

ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date 19 March 2002 Signature of inventor

(Elizabeth Gomes Sanches
Elizabeth GOMES SANCHES

Date 19 March 2002 Signature of inventor

(Ana Cristina Batista da Silva
Ana Cristina BATISTA DA SILVA

Date 19 March 2002 Signature of inventor

(Flávia Maria Abreu Campos
Flávia Maria ABREU CAMPOS

Date 19 March 2002 Signature of inventor

(Renata Alves Pinheiro Roberg
Renata Alves PINHEIRO ROBERG

Date 19 March 2002 Signature of inventor

(Fernando Justino de Assunção
Fernando Justino DE ASSUNÇÃO

**Elizabeth GOMES
SANCHES**

Witnessed by:

**Ana Cristina
BATISTA DA SILVA**

Witnessed by:

**Flávia Maria ABREU
CAMPOS**

Witnessed by:

**Renata Alves
PINHEIRO ROBERG**

Witnessed by:

**Fernando Justino
DE ASSUNÇÃO**

Witnessed by:

Elizabeth

Date 19 March 2002

Ana Cristina

Date 19 March 2002

Flávia Maria

Date 19 March 2002

Renata Alves

Date 19 March 2002

Fernando Justino

Date 19 March 2002